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57185 7590 12/16/2005

TOWNSEND AND TOWNSEND AND CREW LLP / AMAT
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 EIGHTH FLOOR
 SAN FRANCISCO, CA 94111-3834

03/13/2006 TBESHAM2 00000032 501074 09920891

01 FC:1501 1400.00 DA
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I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.

Barbara Holt (Depositor's name)
 Barbara Holt (Signature)
 March 10, 2006 (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/920,891	08/02/2001	Michael Kwan	A4231/T34410	9729

TITLE OF INVENTION: GAS CHEMISTRY CYCLING TO ACHIEVE HIGH ASPECT RATIO GAPFILL WITH HDP-CVD

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	03/16/2006

EXAMINER	ART UNIT	CLASS-SUBCLASS
KACKAR, RAM N	1763	156-345000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1. Townsend Townsend Crew, LLP

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

Applied Materials

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Santa Clara, California

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
☒ Publication Fee (No small entity discount permitted)
☒ Advance Order - # of Copies 1

4b. Payment of Fee(s):

- ☐ A check in the amount of the fee(s) is enclosed.
☐ Payment by credit card. Form PTO-2038 is attached.
☒ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 40 1074 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant, a registered attorney or agent, or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

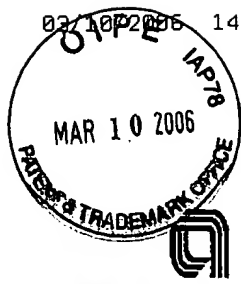
Typed or printed name Robert W. Mulcahy

Date

Registration No. Reg.No. 25,436

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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APPLIED MATERIALS

Applied Materials, Inc.

Patent Department,

P. O. Box 450A, Santa Clara, CA 95052

FAXDate: **March 10, 2006**Number of pages including cover sheet: **2**

To:
Mail Stop : ISSUE FEE(S)
Commissioner for Patents
P.O. Box 1450
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Phone:
Fax phone: 571-273-2885
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From:
Barbara Holt
Phone: (408) 986-7273
Fax phone: (408) 986-3090

REMARKS: ☐ Urgent ☐ For your review ☐ Reply ASAP ☐ Please comment

Re: Applied Materials Docket No.: 004231 USA D Y1 /DSM/ HDP/CVD / JPFEIFER
Entitled: GAS CHEMISTRY CYCLING TO ACHIEVE HIGH ASPECT RATIO GAPPILL W ITH HDP-CVD
Serial No.: 09/920,891 ; Filing Date: 08/02/2001
Inventor(s): Michael Chiu KWAN+, Eric J LIU+,
Confirmation Number Assignment: 9729
Docket No. For On-Line Billing use: 004231USAY01
Your Reference: 16301-034410

Form PART B – FEE(S) TRANSMITTAL with instructions to pay the Issue fee for above referenced patent application is submitted via fax to the USPTO, Mail Stop : ISSUE FEES on this day, March 10, 2006. Please charge our deposit account 50-1074.